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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,681	09/30/2003	Freddie Miller		6729
7590	08/25/2004		EXAMINER	
George R. Nimmer PO Box 252 Omaha, NE 68101-0252			MAMMEN, NATHAN SCOTT	
			ART UNIT	PAPER NUMBER
			3671	

DATE MAILED: 08/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/675,681	MILLER, FREDDIE
	Examiner	Art Unit
	Nathan S Mammen	3671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on ____.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-13 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 1-4,7,9 and 11 is/are rejected.
 7) Claim(s) 5-6, 8, 10, 12-13 is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 9/30/03.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. ____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 7 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 2,953,891 to Van Der Lely et al.

The Van Der Lely '891 patent discloses a rake wheel comprising a hub (2) having a rotational axis (6), a plurality of tines (3) connected to the hub and extending outwardly therefrom, and an annular rim (7) concentric with the hub. The annular rim has first and second plurality of apertures (See Fig. 3, 7B) sized and shaped to receive a tine (8A, 9A).

Regarding claim 7: Each of the tines is bent in half at the elbow with the elbows secured to the hub and the first and second legs projecting outwardly. Col. 1, lines 56-69.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 2,953,891 to Van Der Lely et al. in view of U.S. Patent No. 3,069,834 to Spindler.

The Van Der Lely '891 patent discloses the claimed invention, as stated in paragraph 2 above, except for the hub including a pair of parallel disk shaped flanges. The Spindler '834 patent teaches that it is known in the art to construct a rake wheel hub from a pair of disk shaped flanges (4, 6) and to connect the tines to the hub between the flanges. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the rake wheel of the Van Der Lely '891 patent with the hub arrangement as taught by the Spindler '834 patent, in order to provide an alternative arrangement for connecting the rake tines to the rake wheel hub.

Regarding claims 3-4: The positioning of the second plurality of apertures with respect to the first plurality of apertures would be an obvious matter of design choice to one having ordinary skill in the art. Each of the tines is bent in half at the elbow with the elbows secured to the hub and the first and second legs projecting outwardly. Van Der Lely, col. 1, lines 56-69.

5. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 2,953,891 to Van Der Lely et al. in view of U.S. Patent No. 2,712,723 to Ryan.

The Van Der Lely '891 patent discloses the claimed invention, as stated in paragraph 2 above, except for the rake wheel further comprising a windshield covering the hub and tines. The Ryan '723 patent teaches that it is known in the art to provide a rake wheel with a windshield (162). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the rake wheel of the Van Der Lely '891 patent with the windshield of the Ryan '723 patent, in order to prevent hay from passing through the rake (see Ryan, col. 4, lines 18-20).

6. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 2,953,891 to Van Der Lely et al. in view of U.S. Patent No. 3,069,834 to Spindler, as applied to claim 2 above, and further in view of U.S. Patent No. 2,712,723 to Ryan.

The combination of the Van Der Lely '891 and Spindler '834 patents disclose the claimed invention, as stated in paragraph 4 above, except for the rake wheel further comprising a windshield covering the hub and tines. The Ryan '723 patent teaches that it is known in the art to provide a rake wheel with a windshield (162). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the rake wheel of the combination of the Van Der Lely '891 and Spindler '834 patents with the windshield of the Ryan '723 patent, in order to prevent hay from passing through the rake (see Ryan, col. 4, lines 18-20).

Allowable Subject Matter

7. Claims 5-6, 8, 10, 12-13 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

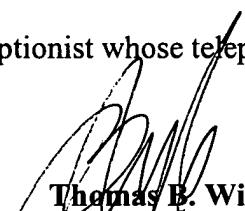
Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan Mammen whose telephone number is (703) 306-5959. The examiner can normally be reached Monday through Thursday from 6:30 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas B. Will, can be reached at (703) 308-3870. The fax number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-1113.



Thomas B. Will
Supervisory Patent Examiner
Group 3600

NSM
8/19/04

Nathan S. Mammen